

Appl. No. 10/790,844
Am dt dated January 20, 2006
In Reply to Office Action dated September 21, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. **(Currently amended)** In a device for measuring the level of a fluid in a fuel tank of a motor vehicle, the fuel tank including a sound guide conduit disposed in the ~~container~~ **fuel tank**, a fluid feeding device in the fuel tank, and at least one ultrasonic transducer disposed near one end of the sound guide conduit for generating ultrasonic pulses and for receiving the ultrasonic pulses reflected in the region of the surface of the fluid in the ~~container~~ **fuel tank**, the improvement wherein the ~~device for measuring the fluid level~~ ultrasonic transducer is disposed in the ~~container~~ **fuel tank** (1) on an outer circumference of the fluid feeding device (18) (6).

2. **(Currently amended)** The device in accordance with claim 1, wherein the sound guide conduit (2) and/or the ultrasonic transducer (3) is cast, glued, welded, clipped, or screwed onto the outer circumference of the fluid feeding device (18) (6).

3. **(Currently amended)** ~~The device in accordance with claim 1~~ **In a device for measuring the level of a fluid in a fuel tank of a motor vehicle, the fuel tank including a sound guide conduit disposed in the fuel tank, a fluid feeding device in the fuel tank, and at least one ultrasonic transducer disposed near one end of the sound guide conduit for generating ultrasonic pulses and for receiving the ultrasonic pulses reflected in the region of the surface of the fluid in the fuel tank, the improvement wherein the ultrasonic transducer is disposed in the fuel tank (1) on an outer circumference of the fluid feeding device (6),**

Appl. No. 10/790,844

Amdt dated January 20, 2006

In Reply to Office Action dated September 21, 2005

wherein the sound guide conduit (2) comprises a horizontal or oblique forward-flow region (11) disposed near the container fuel tank bottom (12).

4. (Previously presented) The device in accordance with claim 3, wherein the forward-flow region (11) is straight or looped.

5. (Previously presented) The device in accordance with claim 1, wherein the sound guide conduit (2) comprises at least one bend (15) with one deflection (13) each and/or at least one straight region (29) with a conduit slope angle.

6. (Previously presented) The device in accordance with claim 1, wherein the sound guide conduit (2) comprises at least one reference reflection surface (19).

7. (Currently amended) The device in accordance with claim 1, wherein the sound guide conduit (2) has at least two openings (17) communicating with the interior of the container fuel tank.

8. (Currently amended) The device in accordance with claim 1, In a device for measuring the level of a fluid in a fuel tank of a motor vehicle, the fuel tank including a sound guide conduit disposed in the fuel tank, a fluid feeding device in the fuel tank, and at least one ultrasonic transducer disposed near one end of the sound guide conduit for generating ultrasonic pulses and for receiving the ultrasonic pulses reflected in the region of the surface of the fluid in the fuel tank, the improvement wherein the ultrasonic transducer is

Appl. No. 10/790,844
Amdt dated January 20, 2006
In Reply to Office Action dated September 21, 2005

disposed in the fuel tank (1) on an outer circumference of the fluid feeding device (6),

wherein the sound guide conduit (2) comprises a flexible portion (39).

9. **(Previously presented)** The device in accordance with claim 1, wherein the ultrasonic transducer (3) is simultaneously a transmitter and a receiver.

10. **(New)** In a device for measuring the level of a fluid in a container, the container including a sound guide conduit disposed in the container, a fluid feeding device in the container, and at least one ultrasonic transducer disposed near one end of the sound guide conduit for generating ultrasonic pulses and for receiving the ultrasonic pulses reflected in the region of the surface of the fluid in the container, the improvement wherein the ultrasonic transducer is disposed in the container (1) on an outer circumference of the fluid feeding device (6).

11. **(New)** The device in accordance with claim 10, wherein the sound guide conduit (2) and/or the ultrasonic transducer (3) is cast, glued, welded, clipped, or screwed onto the outer circumference of the fluid feeding device (6).

12. **(New)** The device in accordance with claim 10, wherein the sound guide conduit (2) comprises a horizontal or oblique forward-flow region (11) disposed near the container bottom (12).

Appl. No. 10/790,844
Amdt dated January 20, 2006
In Reply to Office Action dated September 21, 2005

13. **(New)** The device in accordance with claim 12, wherein the forward-flow region (11) is straight or looped.

14. **(New)** The device in accordance with claim 10, wherein the sound guide conduit (2) comprises at least one bend (15) with one deflection (13) each and/or at least one straight region (29) with a conduit slope angle.

15. **(New)** The device in accordance with claim 10, wherein the sound guide conduit (2) comprises at least one reference reflection surface (19).

16. **(New)** The device in accordance with claim 10, wherein the sound guide conduit (2) has at least two openings (17) communicating with the interior of the container.

17. **(New)** The device in accordance with claim 10, wherein the sound guide conduit (2) comprises a flexible portion (39).

18. **(New)** The device in accordance with claim 10, wherein the ultrasonic transducer (3) is simultaneously a transmitter and a receiver.

19. **(New)** The device in accordance with claim 10, wherein the fluid feeding device (6) is a fuel pumping device.

Appl. No. 10/790,844

Amdt dated January 20, 2006

In Reply to Office Action dated September 21, 2005

20. (New) The device in accordance with claim 1, wherein the fluid feeding device (6) is a fuel pumping device.